

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#7 2152  
1/24/03  
11-0  
**RECEIVED**

In re Application of:

A. Edwards et al.

Application No: 09/965,654

Filed: September 27, 2001

For: Protein Data Analysis

Examiner: Unassigned

Art Unit: 2152

Attorney Document No.: IPT-002.02

JAN 15 2003

Technology Center 2100

(23298-002.02)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on: January 8, 2003.

Kerry Richard

Commissioner for Patents  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**  
**BASED ON COMMUNICATION CITED IN A COUNTERPART U.S. APPLICATION**

Sir:

In compliance with the requirements of 37 C.F.R. 1.56 and 1.97(b)(3), submitted herewith on Form PTO-1449 is a list of publications known to Applicants and their Attorney/Agent.

Under 35 U.S.C. §120, this application claims the benefit of the earlier filing date of Serial No. : 09/671,817, filed on September 27, 2001. Copies of references identified in the Form 1449 as AB-AU were submitted to the Office in the parent application and therefore, only a copy of the document listed on form 1449 as AA is provided in this application according to 37 C.F.R. 1.98(d). However, Applicants will gladly furnish copies of references AA-AU upon request. Applicants respectfully request that the Examiner consider the listed publications and indicate they were considered by making appropriate notations on the attached Form 1449.

Applicants have cited for the Examiner's consideration certain co-pending U.S. patent applications that are owned at least in part by the assignee of this application, that describe subject matter related to the present invention. The co-pending applications are listed herewith in accordance with M.P.E.P. 609 III.D which states: "Applicants may wish to list U. S. patent

application numbers on other than form PTO-1449 or PTO/SB/08A and 08B format to avoid the application numbers of pending applications being published on the patent. If a citation is not printed on the patent but has been considered by the examiner in accordance with this section, the patented file will reflect that fact as noted in subsection III.C(2) above."

No copies of the co-pending applications have been provided. If the Examiner wishes to have copies of the co-pending applications, the Examiner should contact the Attorney of record.

Our Docket No.	S.N.	Filing Date	Title
IPT-002.01	09/671,817	09/27/00	Methods for Determining the Biochemical and Biophysical Properties of Proteins

Applicants have listed dates of publication on the attached PTO-1449 for the cited documents based on information presently available to the undersigned. However, the listed publication dates should not be construed that the information in the cited documents was actually published or otherwise publicly available on the date indicated.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute "prior art." If the Examiner applies the listed documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form 1449.

Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **Deposit Order Account, No. 06-1448**.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 832-1770.

Date: January 8, 2003

**Customer No.: 25181**

Patent Group

Foley Hoag LLP

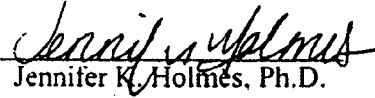
155 Seaport Boulevard

Boston, MA 02210-2600

Phone: (617) 832-1000

Fax: (617) 832-7000

Respectfully Submitted,



Jennifer K. Holmes, Ph.D.

Reg. No. 46,778

Agent for Applicants

Form PTO-1149

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Indicate several sheets if necessary)

Docket Number (Optional)  
IPT-002.02 (23298-202)

Application Number  
09 965,654

Applicant  
A. Edwards and C. Arrowsmith

Filing Date  
September 27, 2001

Group Art Unit  
2152

**U.S. PATENT DOCUMENTS**

EXAMINER ART UNIT	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	US 6,368,402 B2	04 09 02	DeTitta et al.	117		

RECEIVED

JAN 15 2003

Technology Center 2100

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

AB	Altschul et al., "Basic Local Alignment Search Tool." <i>J. Mol. Biol.</i> , Vol. 215:403-410 (1999)
AC	Gaetano et al., "Structural Genomics: Keystone for a Human Proteome Project." <i>Nature Structural Biology</i> , Vol. 6, 1, 11-12 (Jan. 1999)
AD	Gerstein et al., "Comprehensive Assessment of Automatic Structural Alignment Against a Manual Standard, the Scop Classification of Proteins." <i>Protein Science</i> , Vol. 7:445-456 (1998)
AE	Gerstein et al., "Comparing Genomes in Terms of Protein Structure: Surveys of a Finite Parts List." <i>FEMS Microbiology Reviews</i> , Vol. 22, 277-304 (1998)
AF	Holm et al., "Protein Structure Comparison by Alignment of Distance Matrices." <i>J. Mol. Biol.</i> , Vol. 233, 123-138 (1993)
AG	Jarmila et al., "Sparse Matrix Sampling: A Screening Method for Crystallization of Proteins" <i>J. Appl. Cryst.</i> 24, 409-411 (1991)
AH	Mackereith et al., "Zinc-Bundle Structure of the Essential RNA Polymerase Subunit RPB10 from <i>Methanobacterium thermoautotrophicum</i> ." <i>PNAS</i> , Vol. 97:12, 6316-6321 (June 6, 2000)
AI	Montellone et al., "Structural Genomics: Keystone for a Human Proteome Project." <i>Nature Structural Biology</i> , Vol. 6, No. 1: 11-12 (1999)
AJ	Mosbach et al., "Formation of Proinsulin by Immobilized <i>Bacillus Subtilis</i> ." <i>Nature</i> , Vol. 302: 543-545 (1983)
AK	Moult et al., "Critical Assessment of Methods of Protein Structure Prediction (CASP) - Round II." <i>Proteins: Structure, Function, and Genetics</i> Suppl. 1:2-6 (1997)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION</b> IN AN APPLICATION (Use separate sheets if necessary)		Docket Number (Optional) IPT-002.01 (23298-201)		Application Number 09-671,817	
JAN 13 2003 RECEIVED		Applicant A. Edwards and C. Arrowsmith		JAN 15 2003	
Filing Date September 27, 2000		Group Art Unit 1631 Technology Center 2100			
<b>U.S. PATENT DOCUMENTS</b>					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS Translation YES NO
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages Etc.)					
AL	Murzin et al., "SCOP: A Structural Classification of Proteins Database for the Investigation of Sequences and Structures," <i>J. Mol. Biol.</i> Vol. 247:530-540 (1995)				
AM	Myers et al., "Denaturation Values and Heat Capacity Changes: Relation to Changes in Accessible Surface Areas of Protein Unfolding," <i>Protein Science</i> , Vol. 4:2138-2148 (1995)				
AN	Palva et al., "Secretion of Interferon by Bacillus Subtilis," <i>Gene</i> , Vol. 22: 229-235 (1983)				
AO	Payne and Garrels, "Yeast Protein Database (YPD): A Database for the Complete Proteome of Saccharomyces Cerevisiae", <i>Nucleic Acids Research</i> , 25(1): 57-62, (1997)				
AP	Quinlan, J.R., "Decision Trees and Decisionmaking," <i>J. IEEE Transactions on Systems, Man, And Cybernetics</i> , Vol. 20:2 pp. 339-346 (March/April 1990)				
AQ	Rost et al., "Prediction of Protein Secondary Structure at Better than 70% Accuracy," <i>J. Mol. Biol.</i> , Vol. 232:584-599 (1993)				
AR	Sali, "100,000 Protein Structures for the Biologist," <i>Nature Structural Biology</i> , Vol. 5:12, 1029-1032 (Dec. 1998)				
AS	Sanchez et al., "Large-Scale Protein Structure Modeling of the Saccharomyces Cerevisiae Genome," <i>Proc. Natl. Acad. Sci.</i> , Vol. 95:15189-15193 (1998)				
AT	Smith et al., "Complete Genome Sequence of Methanobacterium Thermoautotrophicum ΔH. Functional Analysis and Comparative Genomics," <i>J. of Bacteriology</i> , Vol. 179:22 pp. 7135-7155 (1997)				
AU	Zarembinski et al., "Structure-Based Assignment of the Biochemical Function of A Hypothetical Protein: A test case of Structural Genomics," <i>Proc. Natl. Acad. Sci.</i> , Vol. 95:15189-15193 (1998)				
EXAMINER				DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE